

PROTECTING CRITICAL NATIONAL INFRASTRUCTURE

TELECOMMUNICATIONS

Fixed, Satellite, Mobile, etc.

AIRPORTS

ENERGY GENERATION

Gas, Oil, Nuclear, Coal, Renewable

ENERGY DISTRIBUTION

Grid

HOSPITALS

Patient Monitoring, Healthcare Data

WATER

Hydro-Electric, Sewage Treatment Dams

TRANSPORT

Rail Network, Road Traffic Control

LAW ENFORCEMENT

Communications, Criminal Records

CCTV

Asset Monitoring, Border Control, Public Safety

FIRE & EMERGENCY SERVICES

Dispatch, Monitoring & Communications

THE THREAT LANDSCAPE

TERRORIST ATTACKS

STATE ACTOR HARM

CRIMINAL DAMAGE

HACK ATTACKS

INPUT OF ROGUE DATA

CONTROL SYSTEM HARM

BREACH ACTIVITY

PRIVILEGE ABUSE (6%)

MIS-DELIVERY (7%)

VULNERABILITY EXPLOIT (7%)

PHISHING (12%)

LOST OR STOLEN CREDENTIALS (42%)

RANSOMWARE (26%)

MOTIVATION

OTHER (1%)

GRUDGE (1%)

IDEOLOGY (1%)

ESPIONAGE (3%)

FINANCIAL (94%)

NOTABLE CYBER-ATTACKS



UK and Ireland energy networks suffer sustained cyber-attack.



Wolf Creek Nuclear Power Station suffers spear phishing attack.



Kiev power grid SCADA network hacked, resulting in blackouts.



WannaCry, Patya and NotPetya ransomware attacks.

CONSEQUENCES



ECONOMIC DAMAGE

CITIZEN HARM



BUSINESS DISRUPTION

NATIONAL SERVICES DAMAGE & DISRUPTION



SOLUTIONS:

CYPHERNET

NETWORK DATA ENCRYPTION FOR CORE IT INFRASTRUCTURE AND LARGE SCALE, VIRTUALISED WAN.

SureDrop

Secure, Sovereign Data collaboration

THE INNOVATIVE FILE SHARING AND STORAGE SOLUTION BUILT FROM SECURITY FIRST PRINCIPLES.

VOTIRO

PROACTIVE, REAL-TIME PROTECTION. DETECT, DISARM AND ANALYZE ALL FILE-BORNE THREATS.

DISCOVER MORE



PROTECTING CRITICAL INFRASTRUCTURE



CRITICAL INFRASTRUCTURE CASE STUDY



CRITICAL INFRASTRUCTURE SOLUTIONS PAPER

Senetas is a publicly listed company (ASX:SEN) specialising in cybersecurity. Senetas solutions have been trusted to protect much of the world's most sensitive information for more than 20 years. A global leader in the protection of data transported across high-speed networks, Senetas provides network independent encryption hardware and virtualised solutions. These share a crypto-agile and quantum resistant cybersecurity platform. Our content security solutions include the most secure file-sharing and collaboration application with 100% data sovereignty control, and proactive anti-malware solutions providing enterprise-wide file security. Senetas solutions are distributed and supported internationally by Thales, the world's largest security company.

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Europe, Middle East & Africa
Australia and New Zealand
North and Central America
Asia Pacific Region

T: +44 (0)1256 345 599
T: +61 (03) 9868 4555
T: +1 949 436 0509
T: +65 8307 3540

E: info@senetas.com
E: infoanz@senetas.com
E: infousa@senetas.com
E: infoasia@senetas.com



CISEC-GR0823